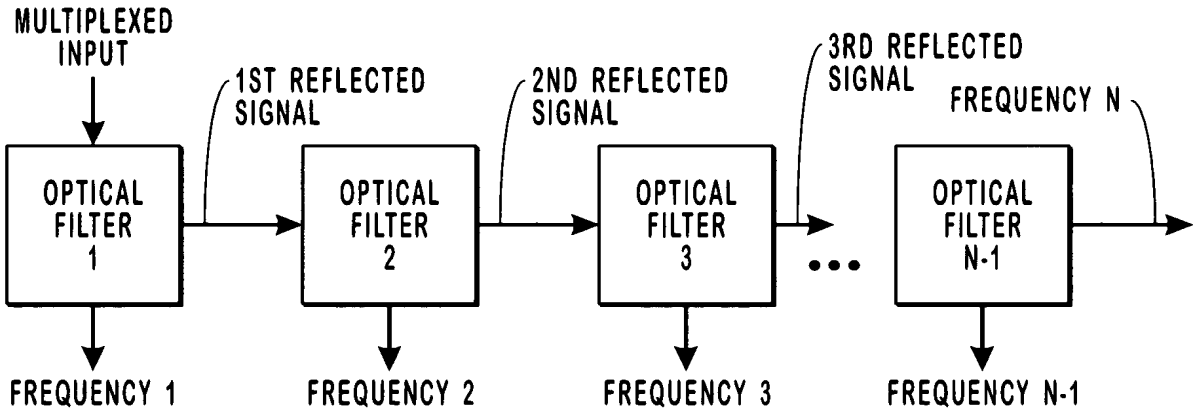

FIG. 1
(PRIOR ART)

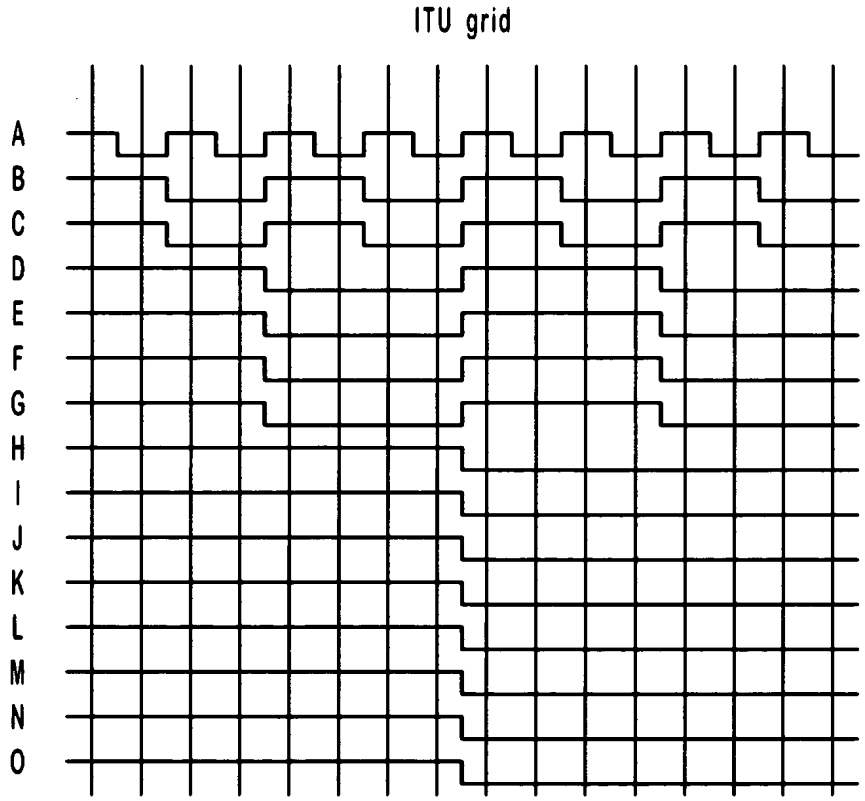

FIG. 2
(PRIOR ART)

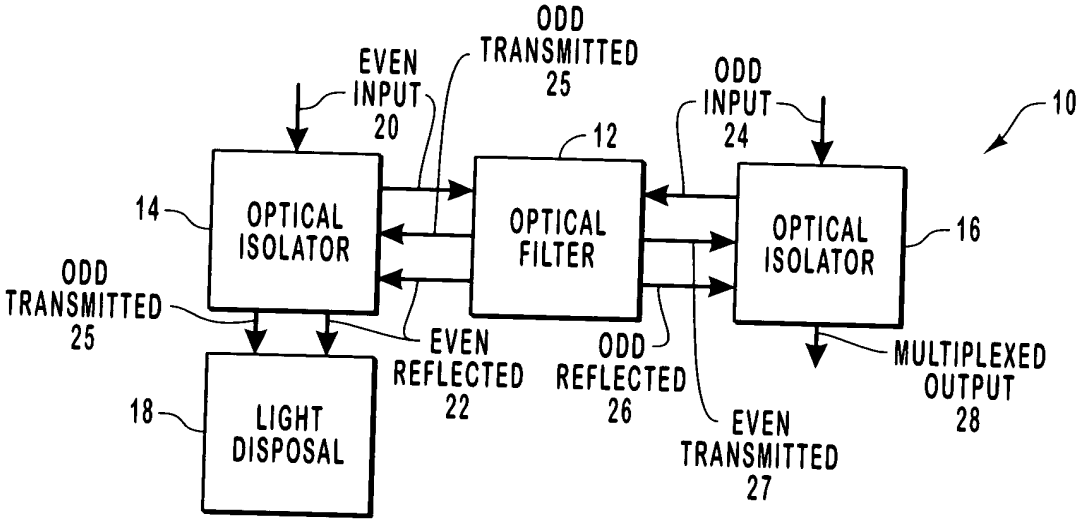
ODD TRANSMITTED 25
EVEN INPUT 20
ODD INPUT 24
10
12
14
OPTICAL ISOLATOR
OPTICAL FILTER
OPTICAL ISOLATOR
16
ODD TRANSMITTED 25
EVEN REFLECTED 22
ODD REFLECTED 26
MULTIPLEXED OUTPUT 28
18
LIGHT DISPOSAL
EVEN TRANSMITTED 27

FIG. 3

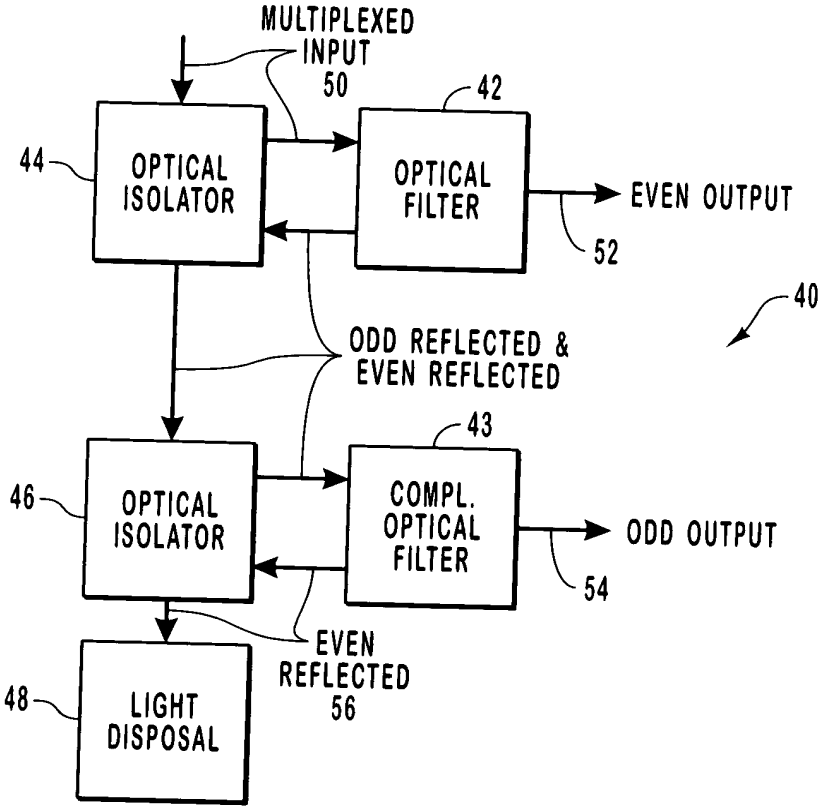
MULTIPLEXED INPUT 50
42
44
OPTICAL ISOLATOR
OPTICAL FILTER
EVEN OUTPUT
52
40
ODD REFLECTED & EVEN REFLECTED
43
46
OPTICAL ISOLATOR
COMPL. OPTICAL FILTER
ODD OUTPUT
54
EVEN REFLECTED 56
48
LIGHT DISPOSAL

FIG. 4

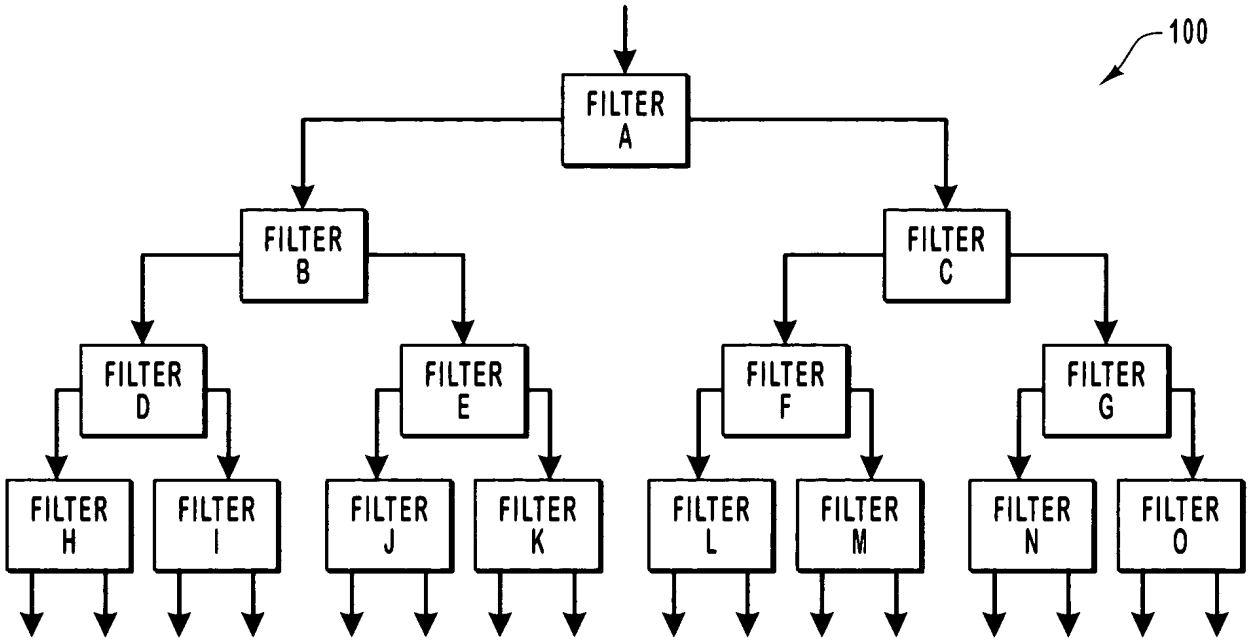
100
FILTER A
FILTER B
FILTER C
FILTER D
FILTER E
FILTER F
FILTER G
FILTER H
FILTER I
FILTER J
FILTER K
FILTER L
FILTER M
FILTER N
FILTER O

FIG. 5

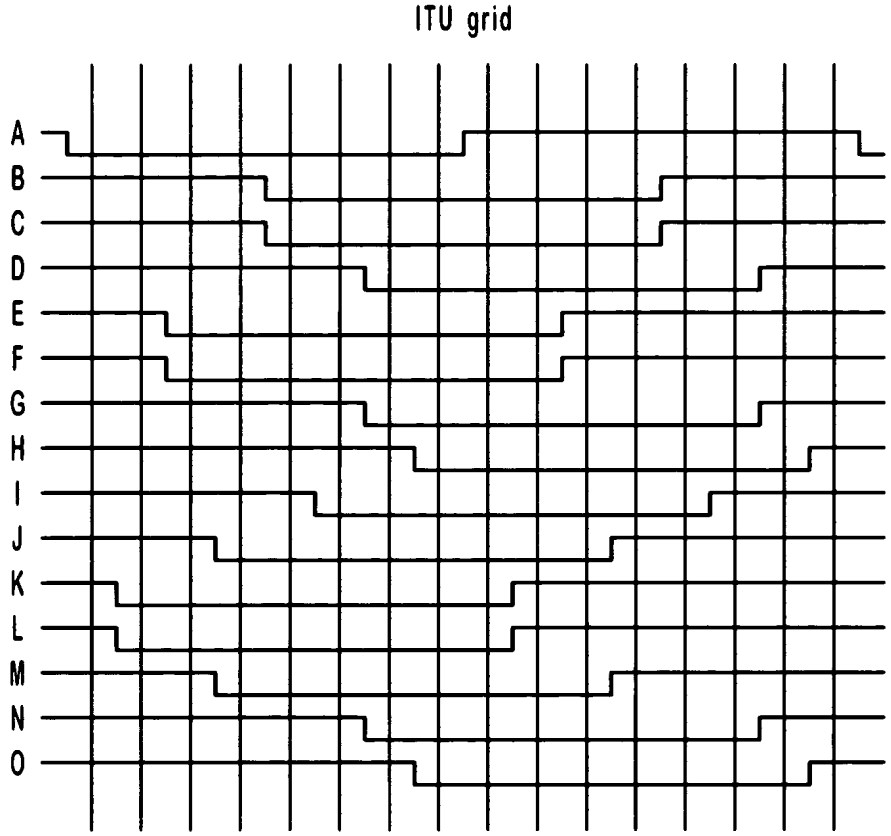

FIG. 6

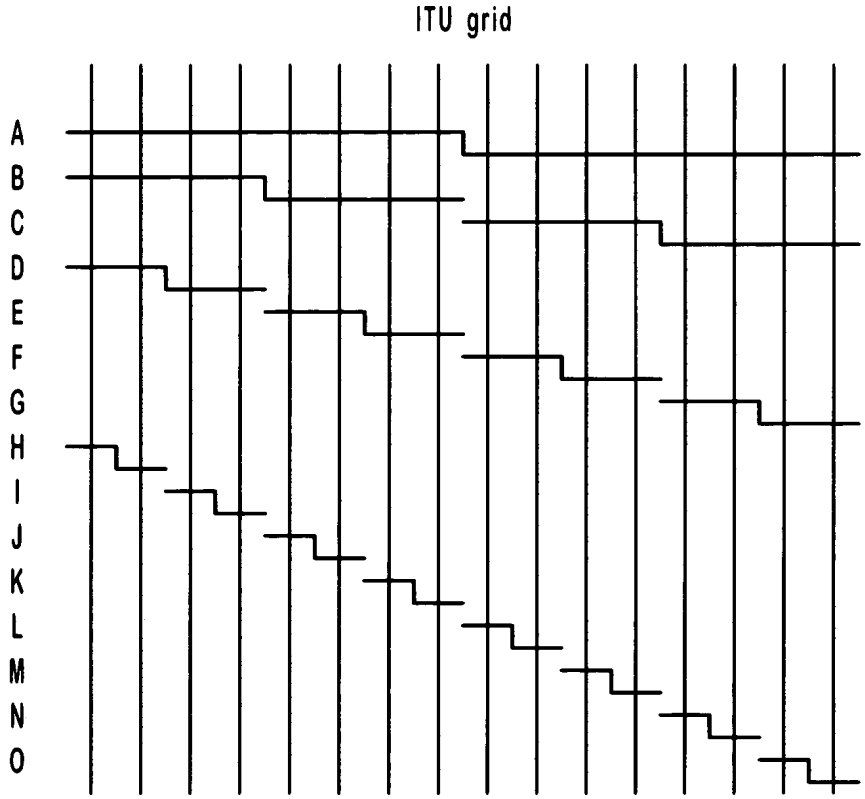

FIG. 7

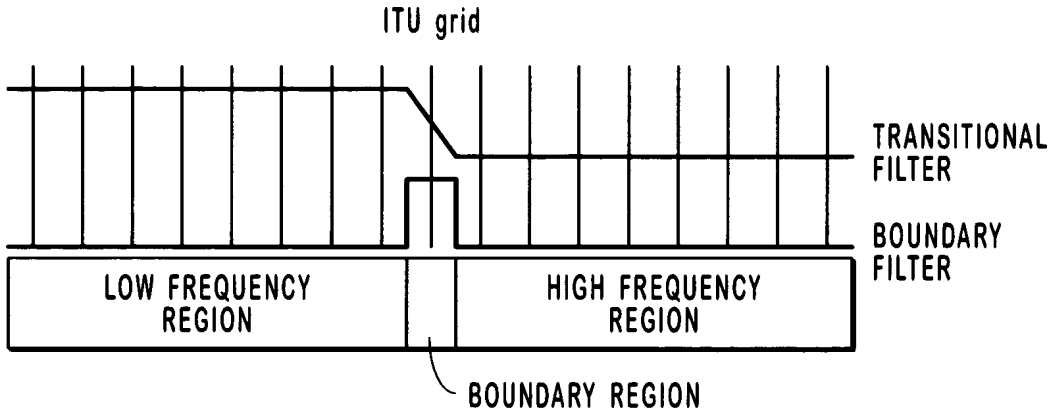
ITU grid
TRANSITIONAL FILTER
BOUNDARY FILTER
LOW FREQUENCY REGION
HIGH FREQUENCY REGION
BOUNDARY REGION

FIG. 8

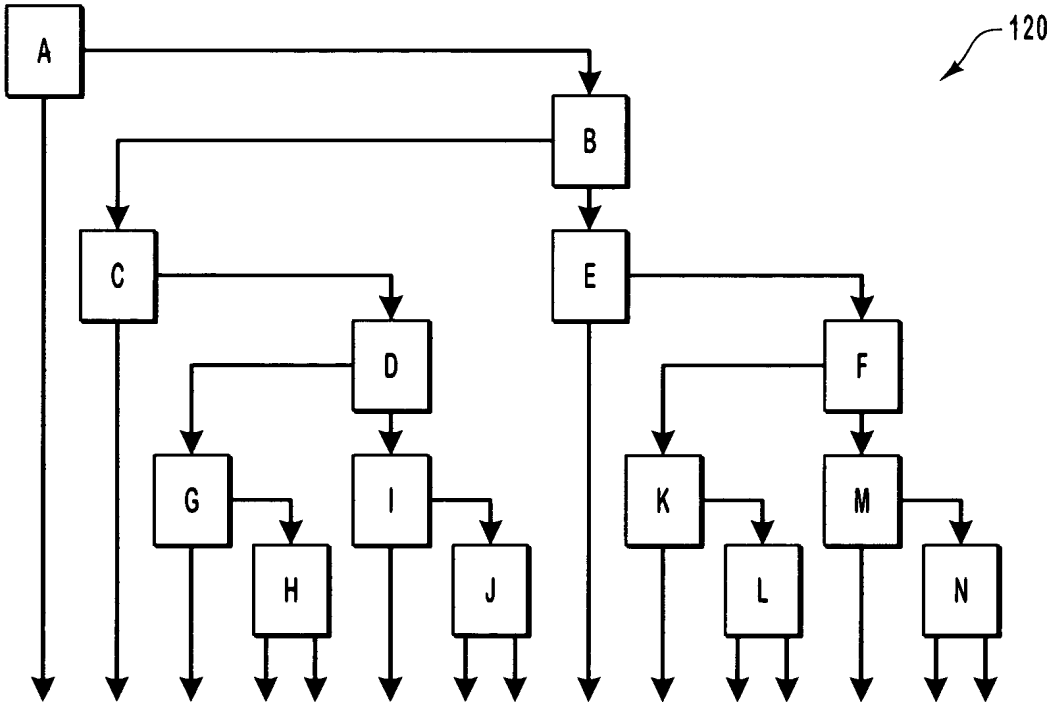
120
A
B
C
D
E
F
G
H
I
J
K
L
M
N

FIG. 9

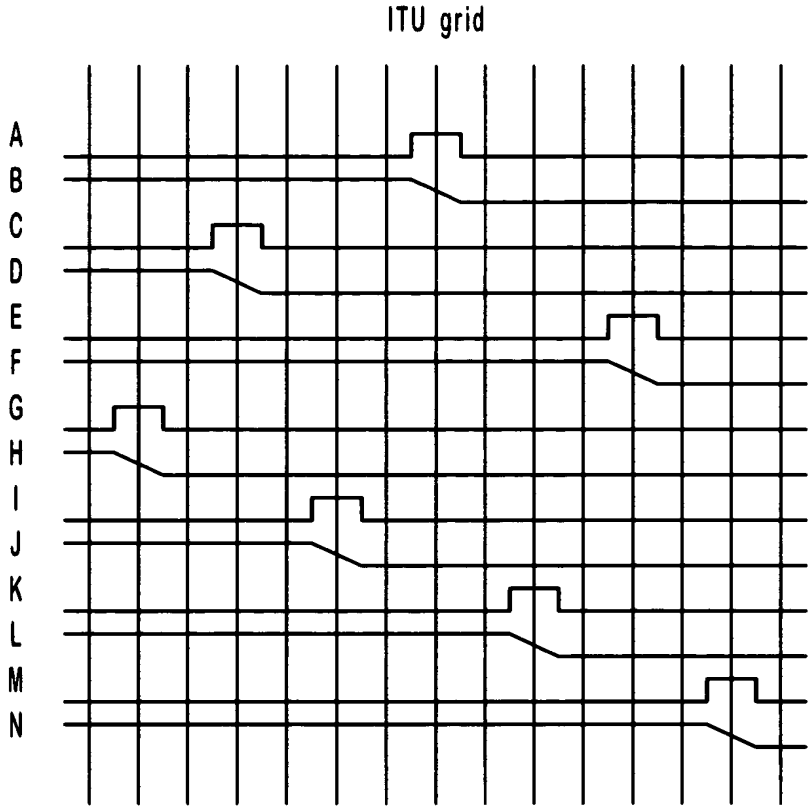

FIG. 10